

THEME DAY IN AUSTRIA

CCeV discusses “Reliability and durability of CFRP components”

In September 2016, the company CoLT Prüf und Test GmbH at St. Martin im Innkreis in Austria held the CCeV theme day “Reliability and durability of CFRP components” of the technical engineering workgroup of the regional department CC Austria and Carbon Composites e.V. (CCeV).

Workgroup leader Dr. Markus Wolfahrt (AG Engineering/CC Austria) and Dr. Christoph Schöndorfer from host CoLT Prüf und Test GmbH welcomed 50 participants to the event. Main focus of the event was to bring together experts from Austria, Germany and Switzerland to initiate further engineering and scientific innovations in the field of reliability and durability of composite materials.

After a short introduction, Prof. Ralf Cuntze (CCeV), Prof. Clara Schuecker (Montanuniversitaet Leoben) and Martin Schwab (Technische Universität Wien) spoke about modelling approaches modelling approaches for fatigue damage in fiber-reinforced composite materials. In addition, Dr. Christian Gaier (Engineering Center Steyr) presented a software-based method for the fatigue strength

analysis of structural components. The lectures given by Dr. Steffen Stelzer (Montanuniversitaet Leoben) and Jörg Goessel (CoLT Prüf und Test GmbH) concentrated on the experimental characterisation of composite materials under fatigue and multi-axial loading conditions. Prof. Martin Schagerl (Johannes Kepler Universität Linz) discussed “Structural health monitoring” of light constructions, Horst Trattng (Vallen Systeme) offered an overview into the non-destructive materials testing of CFRP components. The series of lectures was concluded by Florian Röper (Polymer Competence Center Leoben) with his lecture on adhesively bonded repairs for aerospace composite structures.

The theme day was closed with a guided tour of CoLT Prüf und Test GmbH Colt and

FACC Operations GmbH. As the day came to a close, all participants could look back on a successful CCeV event with many key impulses for their future work.



50 participants visited the CCeV theme day "Reliability and durability of CFRP components".